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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,269

DATE: 01/02/2002
TIME: 14:45:24

Input Set : A:\um06645.txt
Output Set: N:\CRF3\01022002\J014269.raw

3 <110> APPLICANT: Nunez, Gabriel
4 Inohara, Naohiro
5 Ogur, Yasunori
7 <120> TITLE OF INVENTION: NOD2 Nucleic Acids and Proteins
9 <130> FILE REFERENCE: UM-06645
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/014,269
C--> 11 <141> CURRENT FILING DATE: 2001-10-26
11 <160> NUMBER OF SEQ ID NOS: 52
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 4485
17 <212> TYPE: DNA
18 <213> ORGANISM: Homo sapiens
20 <400> SEQUENCE: 1
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25 ggttcagcct ctcacgatga ggagggaaaga gcaagtgtcc tcctcgacata tt
27 tgtgaaatgt gctcgcagga ggcttttcag gcacagagga gccagctggt cg
29 gtctcagggt ccctggaagg ctgcagaggt gtcctggact ggctgtgtc ct
31 ctctcctggg aggactacga gggcttccac ctccctgggccc agcctctc cc
33 aggccgccttc tgacaccgt ctggaataag gtaacttggg cctgtcagaa gc
35 gtcgcacaag aagcccaggc cgacagccag tcccccaagc tgcattggct ct
37 cactcgctcc acccagcccg agacctgcag atgcaccggc cagccattgt ca
39 cacagccatg tgagaaacat gctggacactg gcatggggc ggggtttcgt ca
41 gaatgtgtg aaatcagggtt gccgatcttc acaccgtccc agaggggcaag aa
43 gatcttgcctt cgggtgaaagc gaatggattt gtcgccttcc ttctacaaca tg
45 ttaccagtcc cattggccct gcctttggaa gtcgcacat gcaagaagta ta
47 ctgaggacca cgggtgtctgc tcagtcgc ttcctcagta cctatgtatgg ag
49 ctctgcctgg aggacatata cacagagaat gtcctggagg tctgggcaga tg
51 gctggacccc cgccagaagag cccagccacc ctggggcctgg aggagcttt ca
53 ggccacctca atgacgatgc ggacactgtg ctgggtgggt ggaggcggg ca
55 agcacgttcc tgacgggtt gcacttgtt gggctgtcag ggcaagactt cc
57 ctctttgtct tccatttcg ctggccggcag ctgcagtgc tggccaaacc ac
59 cggactctac tctttgagca ctgcgtttgg cctgatgtt gtcagaaga ca
61 ttactccttgc accaccctga cctgtgttcc ttaacctttt atggctttga cg
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71 gcgacccgccc tcatccgcct gctccaagag acctcagccc tgcacgggtt gt
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79 accctcctgc acctggccag actggcttgc tggggcctgg gcatgtgtc ct
81 tcagcccaacg acgtccaggc agcacaaggc acccctgtat acattttctt tg
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183 Ser Val Leu Leu Gly His Ser Pro Gly Cys Glu Met Cys Ser Gln Glu
 184 20 25 30
 187 Ala Phe Gln Ala Gln Arg Ser Gln Leu Val Glu Leu Leu Val Ser Gly
 188 35 40 45
 191 Ser Leu Glu Gly Phe Glu Ser Val Leu Asp Trp Leu Leu Ser Trp Glu
 192 50 55 60
 195 Val Leu Ser Trp Glu Asp Tyr Glu Gly Phe His Leu Leu Gly Gln Pro
 196 65 70 75 80
 199 Leu Ser His Leu Ala Arg Arg Leu Leu Asp Thr Val Trp Asn Lys Gly
 200 85 90 95
 203 Thr Trp Ala Cys Gln Lys Leu Ile Ala Ala Gln Glu Ala Gln Ala
 204 100 105 110
 207 Asp Ser Gln Ser Pro Lys Leu His Gly Cys Trp Asp Pro His Ser Leu
 208 115 120 125
 211 His Pro Ala Arg Asp Leu Gln Ser His Arg Pro Ala Ile Val Arg Arg
 212 130 135 140
 215 Leu His Ser His Val Glu Asn Met Leu Asp Leu Ala Trp Glu Arg Gly
 216 145 150 155 160
 219 Phe Val Ser Gln Tyr Glu Cys Asp Glu Ile Arg Leu Pro Ile Phe Thr
 220 165 170 175
 223 Pro Ser Gln Arg Ala Arg Arg Leu Leu Asp Leu Ala Thr Val Lys Ala
 224 180 185 190
 227 Asn Gly Leu Ala Ala Phe Leu Leu Gln His Val Gln Glu Leu Pro Val
 228 195 200 205
 231 Pro Leu Ala Leu Pro Leu Glu Ala Ala Thr Cys Lys Lys Tyr Met Ala
 232 210 215 220
 235 Lys Leu Arg Thr Thr Val Ser Ala Gln Ser Arg Phe Leu Ser Thr Tyr
 236 225 230 235 240
 239 Asp Gly Ala Glu Thr Leu Cys Leu Glu Asp Ile Tyr Thr Glu Asn Val
 240 245 250 255
 243 Leu Glu Val Trp Ala Asp Val Gly Met Ala Gly Pro Pro Gln Lys Ser
 244 260 265 270
 247 Pro Ala Thr Leu Gly Leu Glu Leu Phe Ser Thr Pro Gly His Leu
 248 275 280 285
 251 Asn Asp Asp Ala Asp Thr Val Leu Val Val Gly Glu Ala Gly Ser Gly
 252 290 295 300
 255 Lys Ser Thr Leu Leu Gln Arg Leu His Leu Leu Trp Ala Ala Gly Gln
 256 305 310 315 320
 259 Asp Phe Gln Glu Phe Leu Phe Val Phe Pro Phe Ser Cys Arg Gln Leu
 260 325 330 335
 263 Gln Cys Met Ala Lys Pro Leu Ser Val Arg Thr Leu Leu Phe Glu His
 264 340 345 350
 267 Cys Cys Trp Pro Asp Val Gly Gln Glu Asp Ile Phe Gln Leu Leu Leu
 268 355 360 365
 271 Asp His Pro Asp Arg Val Leu Leu Thr Phe Asp Gly Phe Asp Glu Phe
 272 370 375 380
 275 Lys Phe Arg Phe Thr Asp Arg Glu Arg His Cys Ser Pro Thr Asp Pro
 276 385 390 395 400
 279 Thr Ser Val Gln Thr Leu Leu Phe Asn Leu Leu Gln Gly Asn Leu Leu

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280	405	410	415	
283	Lys Asn Ala Arg Lys Val Val Thr Ser Arg Pro Ala Ala Val Ser Ala			
284	420	425	430	
287	Phe Leu Arg Lys Tyr Ile Arg Thr Glu Phe Asn Leu Lys Gly Phe Ser			
288	435	440	445	
291	Glu Gln Gly Ile Glu Leu Tyr Leu Arg Lys Arg His His Glu Pro Gly			
292	450	455	460	
295	Val Ala Asp Arg Leu Ile Arg Leu Leu Gln Glu Thr Ser Ala Leu His			
296	465	470	475	480
299	Gly Leu Cys His Leu Pro Val Phe Ser Trp Met Val Ser Lys Cys His			
300	485	490	495	
303	Gln Glu Leu Leu Gln Glu Gly Gly Ser Pro Lys Thr Thr Asp			
304	500	505	510	
307	Met Tyr Leu Leu Ile Leu Gln His Phe Leu Leu His Ala Thr Pro Pro			
308	515	520	525	
311	Asp Ser Ala Ser Gln Gly Leu Gly Pro Ser Leu Leu Arg Gly Arg Leu			
312	530	535	540	
315	Pro Thr Leu Leu His Leu Gly Arg Leu Ala Leu Trp Gly Leu Gly Met			
316	545	550	555	560
319	Cys Cys Tyr Val Phe Ser Ala Gln Gln Leu Gln Ala Ala Gln Val Ser			
320	565	570	575	
323	Pro Asp Asp Ile Ser Leu Gly Phe Leu Val Arg Ala Lys Gly Val Val			
324	580	585	590	
327	Pro Gly Ser Thr Ala Pro Leu Glu Phe Leu His Ile Thr Phe Gln Cys			
328	595	600	605	
331	Phe Phe Ala Ala Phe Tyr Leu Ala Leu Ser Ala Asp Val Pro Pro Ala			
332	610	615	620	
335	Leu Leu Arg His Leu Phe Asn Cys Gly Arg Pro Gly Asn Ser Pro Met			
336	625	630	635	640
339	Ala Arg Leu Leu Pro Thr Met Cys Ile Gln Ala Ser Glu Gly Lys Asp			
340	645	650	655	
343	Ser Ser Val Ala Ala Leu Leu Gln Lys Ala Glu Pro His Asn Leu Gln			
344	660	665	670	
347	Ile Thr Ala Ala Phe Leu Ala Gly Leu Leu Ser Arg Glu His Trp Gly			
348	675	680	685	
351	Leu Leu Ala Glu Cys Gln Thr Ser Glu Lys Ala Leu Leu Arg Arg Gln			
352	690	695	700	
355	Ala Cys Ala Arg Trp Cys Leu Ala Arg Ser Leu Arg Lys His Phe His			
356	705	710	715	720
359	Ser Ile Pro Pro Ala Ala Pro Gly Glu Ala Lys Ser Val His Ala Met			
360	725	730	735	
363	Pro Gly Phe Ile Trp Leu Ile Arg Ser Leu Tyr Glu Met Gln Glu Glu			
364	740	745	750	
367	Arg Leu Ala Arg Lys Ala Ala Arg Gly Leu Asn Val Gly His Leu Lys			
368	755	760	765	
371	Leu Thr Phe Cys Ser Val Gly Pro Thr Glu Cys Ala Ala Leu Ala Phe			
372	770	775	780	
375	Val Leu Gln His Leu Arg Arg Pro Val Ala Leu Gln Leu Asp Tyr Asn			
376	785	790	795	800

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379 Ser Val Gly Asp Ile Gly Val Glu Gln Leu Leu Pro Cys Leu Gly Val
 380 805 810 815
 383 Cys Lys Ala Leu Tyr Leu Arg Asp Asn Asn Ile Ser Asp Arg Gly Ile
 384 820 825 830
 387 Cys Lys Leu Ile Glu Cys Ala Leu His Cys Glu Gln Leu Gln Lys Leu
 388 835 840 845
 391 Ala Leu Phe Asn Asn Lys Leu Thr Asp Gly Cys Ala His Ser Met Ala
 392 850 855 860
 395 Lys Leu Leu Ala Cys Arg Gln Asn Phe Leu Ala Leu Arg Leu Gly Asn
 396 865 870 875 880
 399 Asn Tyr Ile Thr Ala Ala Gly Ala Gln Val Leu Ala Glu Gly Leu Arg
 400 885 890 895
 403 Gly Asn Thr Ser Leu Gln Phe Leu Gly Phe Trp Gly Asn Arg Val Gly
 404 900 905 910
 407 Asp Glu Gly Ala Gln Ala Leu Ala Glu Ala Leu Gly Asp His Gln Ser
 408 915 920 925
 411 Leu Arg Trp Leu Ser Leu Val Gly Asn Asn Ile Gly Ser Val Gly Ala
 412 930 935 940
 415 Gln Ala Leu Ala Leu Met Leu Ala Lys Asn Val Met Leu Glu Glu Leu
 416 945 950 955 960
 419 Cys Leu Glu Glu Asn His Leu Gln Asp Glu Gly Val Cys Ser Leu Ala
 420 965 970 975
 423 Glu Gly Leu Lys Lys Asn Ser Ser Leu Lys Ile Leu Lys Leu Ser Asn
 424 980 985 990
 427 Asn Cys Ile Thr Tyr Leu Gly Ala Glu Ala Leu Leu Gln Ala Leu Glu
 428 995 1000 1005
 431 Arg Asn Asp Thr Ile Leu Glu Val Trp Leu Arg Gly Asn Thr Phe
 432 1010 1015 1020
 435 Ser Leu Glu Glu Val Asp Lys Leu Gly Cys Arg Asp Thr Arg Leu
 436 1025 1030 1035
 439 Leu Leu
 440 1040
 443 <210> SEQ ID NO: 3
 444 <211> LENGTH: 1013
 445 <212> TYPE: PRT
 446 <213> ORGANISM: Homo sapiens
 448 <400> SEQUENCE: 3
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 454 Leu Leu Val Ser Gly Ser Leu Glu Gly Phe Glu Ser Val Leu Asp Trp
 455 20 25 30
 458 Leu Leu Ser Trp Glu Val Leu Ser Trp Glu Asp Tyr Glu Gly Phe His
 459 35 40 45
 462 Leu Leu Gly Gln Pro Leu Ser His Leu Ala Arg Arg Leu Leu Asp Thr
 463 50 55 60
 466 Val Trp Asn Lys Gly Thr Trp Ala Cys Gln Lys Leu Ile Ala Ala Ala
 467 65 70 75 80
 470 Gln Glu Ala Gln Ala Asp Ser Gln Ser Pro Lys Leu His Gly Cys Trp
 471 85 90 95

VERIFICATION SUMMARY
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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date